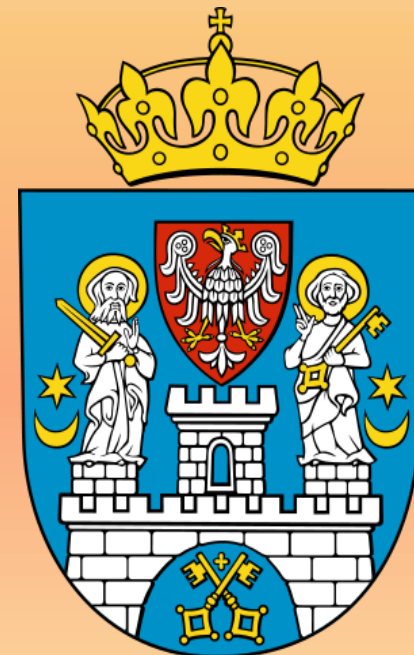


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(17.6.-31.10.2013)



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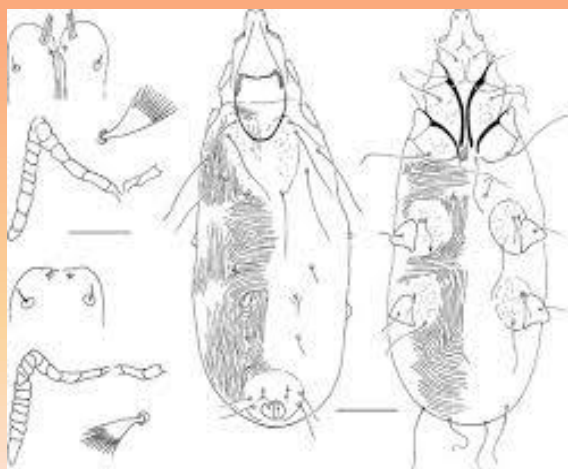
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- založená v roku 1919 (dlhoročná tradícia)
- jedna z top univerzít v Poľsku
- V súčasnosti navštevovaná 49 000 študentmi (asi 1000 je zahraničných)



Univerzita Adama Mickiewicza v Poznani

- kontaktná osoba - **Dr. Maciej Skoracki** (jeden z mála odborníkov na brkové roztoče (Acari: Syringophilidae))
- začiatky výskumu aj na Slovensku-SMB
- v súčasnosti objavil a popísal viac ako 150 druhov



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VERITAS

Notes on quill mites (Acariformes, Syringophilidae) from aquatic birds in North America

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Abstract

A new monobasic genus of parasitic mites, *Phalarophila fulvicornis* gen. nov., sp. nov. (Acariformes, Syringophilidae) is described from feather quills of *Phalaropus fulicarius* (Linnaeus) (Charadriiformes, Scolopacidae) from USA. Females of the new genus differ from those of the genus *Boeckhia* Skoracki et O'Connor, by having the rounded posteriorly stylophore, edentate movable cheliceral digits, propodeal setae arranged 2-1-1-2, thin and smooth dorsal setae of the idiosoma, smooth dorsal setae of legs I and II, and by the presence of setae *sc* and *sc* on the propodeum. Additionally, two new syringophilid species recorded from aquatic birds in North America and three new host associations of these mites are recovered.

Keywords

Acar, Syringophilidae, parasites, systematics, water birds, North America

Introduction

Quill mites of the family Syringophilidae (Acariformes, Chelicerata) are permanent highly specialised parasites of birds. To date, this family includes more than 200 species in 47 genera. Syringophilidae associated with North American passerines have been actively studied in ten past years (Bockhe and Galloway 2001, 2004; Bockhe *et al.* 2004, 2009; Skoracki *et al.* 2008, 2009, 2010a; Skoracki and O'Connor 2010). Quill mites from non-passerine birds are still poorly explored in this region (Kethley 1970, 1973; Casto 1977, 1979, 1980a, b). In this paper, we describe a new syringophilid genus and provide three new records of these mites from aquatic birds in North America.

Materials and methods

Mites removed were cleared in lactophenol and mounted in Hoyer's medium. Drawings were made with an Olympus microscope with a camera lucida and DIC optics. In the descriptions below, the idiosomal setation follows Grandjean (1939) as adapted for Prossigman by Kethley (1990). The leg setation follows Grandjean (1964). These schemes were applied for

Syringophilidae by Bockhe *et al.* (2008). All measurements are in µm. The scientific names and classification of birds follow Clements (2007).

All specimens are deposited in the Museum of Zoology, University of Michigan, Ann Arbor, USA (UMMZ). Barry M. O'Connor (UMICH) collection numbers are abbreviated as BMOC.

Results

Family: Syringophilidae Lavoipierre, 1953

Subfamily: Syringophilinae Lavoipierre, 1953

Genus: *Phalarophila* gen. nov.

Type species: *Phalarophila fulvicornis* sp. nov., designated here.

Female: Medium-sized syringophilid mites (body length, including gnathosoma, 545–570). Gnathosoma: Hypostomal apex rounded, without protuberances. Stylophore rounded posteriorly. Stylus of movable digit edentate. Peritremes M-shaped with distinct chambers in longitudinal and transverse branches. Idiosoma: Propodeum should entire, bearing bases of setae *sc*, *sc*, *sc*, and *sc*. Propodeal setae arranged 2-1-

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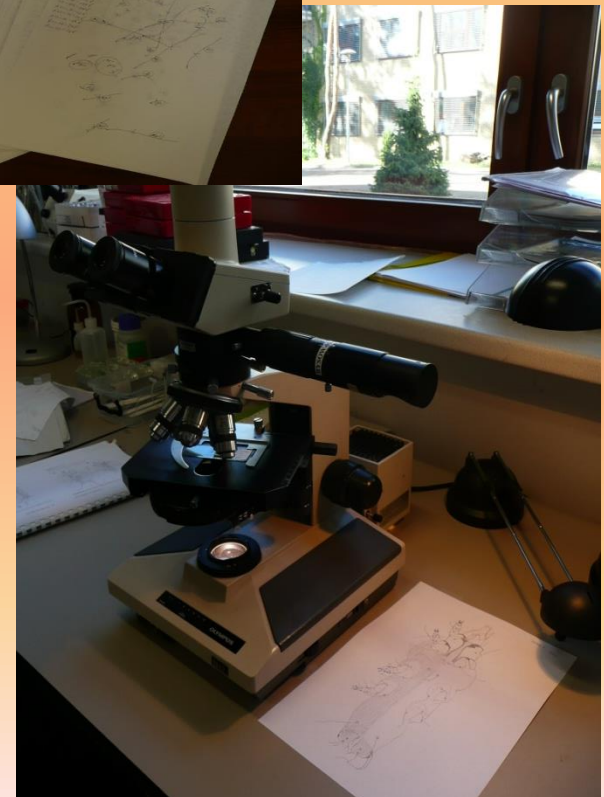
Vykonávané činnosti

- prezeranie a rezanie infikovaných brák pierok (Slovensko, Poľsko, Africa, Antarktída)



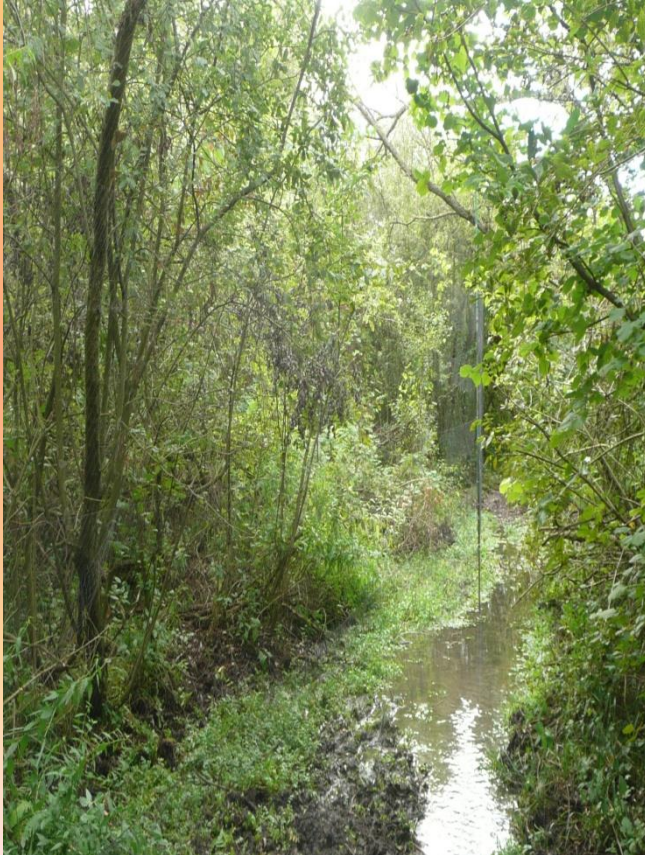
Vykonávané činnosti

- práca s mikroskopom – určovanie druhov, kreslenie a meranie štetín, evidencia, popisovanie nových druhov, písanie publikácií



Vykonávané činnosti

- terénny výskum (zber materiálu z lokalít blízko pri Baltickom mori)

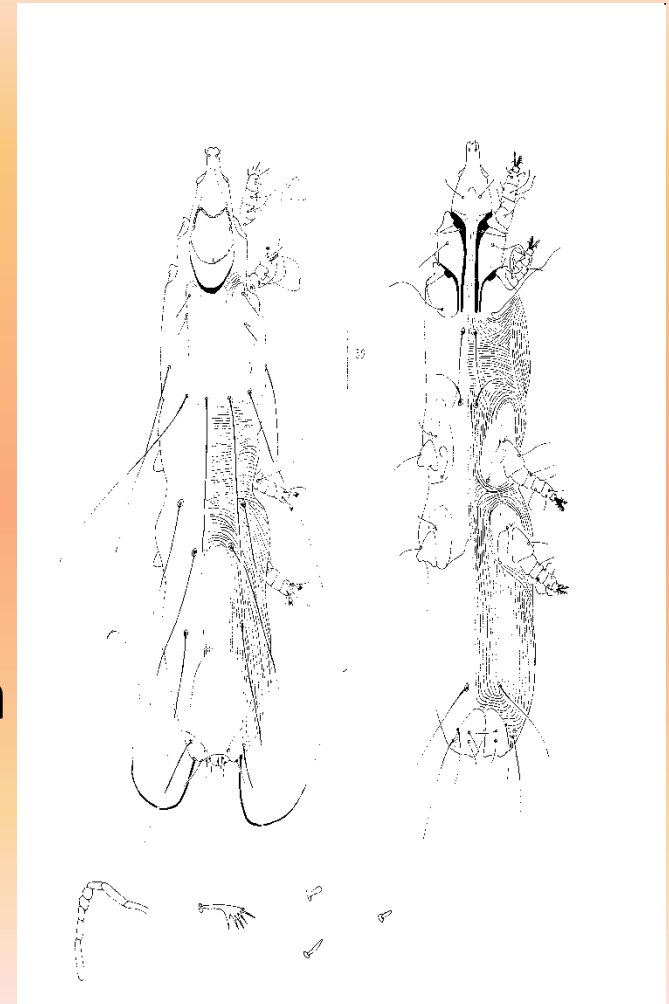


Pozitíva a negatíva stáže

- Negatíva žiadne
- Pozitíva:
 - práca pod odborným vedením odborníka v danej problematike,
 - práca s mikroskopickou technikou,
 - osvojenie si základov poľského jazyka,
 - nadviazanie nových kontaktov,
 - atď.

Prínos stáže

- osvojenie si morfológických a akarologických termínov,
- získanie **praktických skúseností** s mikroskopickou technikou a grafickým programom,
- získanie zručností so skalpelom a kreslení nových druhov pomocou technických pier,
- spolupráca pri opise nového rodu a nových druhov brkových roztočov.



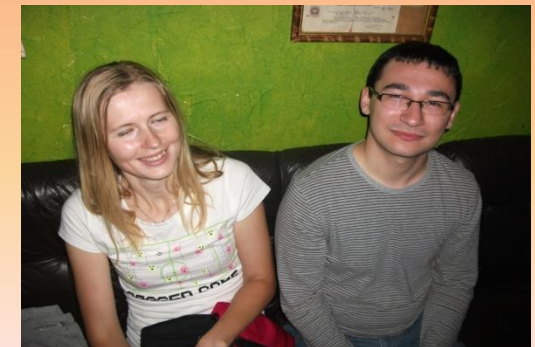
Info o ubytovaní

- Internát Jagienka
- situované relatívne blízko pracoviska (cca. 10 minút MHD),
- vyhovujúce vybavenie izby,
- pekné prostredie a prijateľná cena,
- v blízkosti mestských komunikácií, parkov a ob



Možnosť voľnočasových aktivít

- športovanie (bicykel, beh, ...)
- atrakcie mesta (posedenie s priateľmi v kaviarni, ...)
- nakupovanie
- relax v parkoch



**Ďakujem za pozornosť
„Do widzenia“**

